State of North Carolina
Department of Environment and Natural Resources
Division of Water Quality

Animal Waste Management Systems
Request for Certificate of Coverage
Facility Currently Covered by an Expiring NPDES General Permit

On July 1, 2012, the North Carolina NPDES General Permits for Animal Waste Management Systems will expire. Facilities that have been issued Certificates of Coverage to operate under these NPDES General Permits must apply for renewal within 30 days of receipt of this application.

Please do not leave any question unanswered. Please make any necessary corrections to the data below.

1. Facility Number: 82-225 and Certificate of Coverage Number: NCA282225
2. Facility Name: GODWIN FARMS
3. Landowner's name (same as on the Waste Management Plan): THOMAS H. GODWIN
4. Landowner's mailing address: 2476 SHARE CAKE ROAD

   City/State: CLINTON NC Zip: 28328

   Telephone Number (include area code): 910-564-6408 **E-mail:** NONE
5. **Facility's physical address:** GODWIN FARMS (1-4 2476 SHARE CAKE RD) (5-8 138 GODWIN FARM LN.)

   City/State: CLINTON NC **Zip:** 28328
6. County where facility is located: SAMPSON
7. Farm Manager's name (If different than the Landowner): NONE
8. Farm Manager's telephone number (include area code): NONE
9. Integrator's name (if there is not an integrator write "None"): PRESTAGE FARMS, INC.
10. Lessee's name (if there is not a lessee write "None"): NONE
11. Indicate animal operation type and number:

Swine		**Cattle**		**Dry Poultry**	
Wean to Finish		Dairy Calf		Non Laying Chickens	
Wean to Feeder		Dairy Heifer		Laying Chickens	
Farrow to Finish		Milk Cow		Turkeys	
Feeder to Finish	5650	Dry Cow		Other	
Farrow to Wean		Beef Stocker Calf		Pullets	
Farrow to Feeder		Beef Feeder		Turkey Poults	
Boar/Stud		Beef Brood Cow			
Gilts		Other			
Other					
Horses - Horses		Sheep - Sheep		**Wet Poultry**	
Horses - Other		Sheep - Other		Non Laying Pullets	
				Layers	

RECEIVED/DENR/DWQ
MAR 20 2012
Aquifer Protection Section

Submit two (2) copies of the most recent Certified Animal Waste Management Plan (CAWMP). The CAWMP must include the following components. Some of these components may not have been required at the time the facility was certified but should be added to the CAWMP for permitting purposes:

- The Waste Utilization Plan (WUP) must include the amount of Plant Available Nitrogen (PAN) produced and utilized by the facility
- The method by which waste is applied to the disposal fields (e.g. irrigation, injection, etc.)
- A map of every field used for land application
- The soil series present on every land application field
- The crops grown on every land application field
- The Realistic Yield Expectation (RYE) for every crop shown in the WUP
- The PAN to be applied to every land application field
- Phosphorous to be applied on every land application field with a "HIGH" PLAT rating.
- The waste application windows for every crop utilized in the WUP
- The required NRCS Standard specifications
- A site schematic
- Emergency Action Plan
- Insect Control Checklist with chosen best management practices noted
- Odor Control Checklist with chosen best management practices noted
- Mortality Control Checklist with the selected method noted. A mass mortality plan must also be included.
- Site-Specific Conservation Practices necessary to prevent runoff of pollutants to waters of the State.
- PLAT results including datasheets for each field.
- Lagoon/storage pond capacity documentation (design, calculations, etc.); please be sure to include any site evaluations, wetland determinations, or hazard classifications that may be applicable to your facility
- Operation and Maintenance Plan

I attest that this application has been reviewed by me and is accurate and complete to the best of my knowledge. I understand that, if all required parts of this application are not completed and that if all required supporting information and attachments are not included, this application package will be returned to me as incomplete. **Note**: In accordance with NC General Statutes 143-215.6A and 143-215.6B, any person who knowingly makes any false statement, representation, or certification in any application may be subject to civil penalties up to $25,000 per violation. (18 U.S.C. Section 1001 provides a punishment by a fine of not more than $10,000 or imprisonment of not more than 5 years, or both for a similar offense.)

Printed Name of Signing Official (Landowner, or if multiple Landowners all landowners should sign. If Landowner is a corporation, signature should be by a principal executive officer of the corporation):

Name: THOMAS H. GODWIN Title: _____

Signature: T H Godwin Date: 3/15/12

Name: _____ Title: _____

Signature: _____ Date: _____

THE COMPLETED APPLICATION SHOULD BE SENT TO THE FOLLOWING ADDRESS:

NCDENR – DWQ Animal Feeding Operations Unit
1636 Mail Service Center
Raleigh, North Carolina 27699-1636
Telephone Number: (919) 807-6300
Fax Number: (919) 807-6354

NCDENR
North Carolina Department of Environment and Natural Resources
Division of Water Quality

Beverly Eaves Perdue
Governor

Coleen H. Sullins
Director

Dee Freeman
Secretary

Existing COC

November 15, 2011

Thomas H. Godwin
Godwin Farms
2476 Share Cake Road
Clinton, NC 28328

Subject: Certificate of Coverage No. NCA282225
Godwin Farms
Animal Waste Management System
Sampson County

Dear Thomas H. Godwin:

In accordance with your September 21, 2011 application, we are hereby forwarding to you this Certificate of Coverage (COC) issued to Thomas H. Godwin, authorizing the operation of the subject animal waste management system in accordance with NPDES General Permit NCA200000.

This approval shall consist of the operation of this system including, but not limited to, the management and land application of animal waste as specified in the facility's Certified Animal Waste Management Plan (CAWMP) for the Godwin Farms, located in Sampson County, with an animal capacity of no greater than the following swine annual averages:

Wean to Finish: **0**	Feeder to Finish: **5650**	Boar/Stud: **0**
Wean to Feeder: **0**	Farrow to Wean: **0**	Gilts: **0**
Farrow to Finish: **0**	Farrow to Feeder: **0**	

If this is a Farrow to Wean or Farrow to Feeder operation, there may also be one boar for each 15 sows. Where boars are unneccessary, they may be replaced by an equivalent number of sows. Any of the sows may be replaced by gilts at a rate of 4 gilts for every 3 sows

The COC shall be effective from the date of issuance until June 30, 2012 and replaces the COC No. AWS820225 dated October 1, 2009. Pursuant to this COC, you are authorized and required to operate the system in conformity with the conditions and limitations as specified in the General Permit, the facility's CAWMP, and this COC. An adequate system for collecting and maintaining the required monitoring data and operational information must be established for this facility. Any increase in waste production greater than the certified design capacity or increase in number of animals authorized by this COC (as provided above) will require a modification to the CAWMP and this COC and must be completed prior to actual increase in either wastewater flow or number of animals.

Please carefully read this COC and the enclosed General Permit. This General Permit contains many new requirements than the previous NPDES General Permit. Enclosed for your convenience is a package containing the new and revised forms used for record keeping and reporting. Please pay careful attention to the record keeping and monitoring conditions in this permit. The Animal Facility Annual Certification Form must be completed and returned to the Division of Water Quality by no later than March 1st of each year.

1636 Mail Service Center, Raleigh, North Carolina 27699-1636
Location: 2728 Capital Blvd., Raleigh, North Carolina 27604
Phone: 919-733-3221 \ FAX: 919-715-0588 \ Customer Service: 1-877-623-6748
Internet: www.ncwaterquality.org

If your Waste Utilization Plan has been developed based on site-specific information, careful evaluation of future samples is necessary. Should your records show that the current Waste Utilization Plan is inaccurate you will need to have a new Waste Utilization Plan developed.

The issuance of this COC does not excuse the Permittee from the obligation to comply with all applicable laws, rules, standards, and ordinances (local, state, and federal), nor does issuance of a COC to operate under this permit convey any property rights in either real or personal property.

Upon abandonment or depopulation for a period of four years or more, the Permittee must submit documentation to the Division demonstrating that all current NRCS standards are met prior to restocking of the facility.

Per 15A NCAC 02T .0111(c), a compliance boundary is provided for the facility and no new water supply wells shall be constructed within the compliance boundary. Per NRCS standards a 100-foot separation shall be maintained between water supply wells and any lagoon or any wetted area of a spray field.

Per 15A NCAC 02T .1306, any containment basin, such as a lagoon or waste storage structure, shall continue to be subject to the conditions and requirements of the facility's permit until closed to NRCS standards and the permit is rescinded by the Division.

Please be advised that any violation of the terms and conditions specified in this COC, the General Permit or the CAWMP may result in the revocation of this COC, or penalties in accordance with NCGS 143-215.6A through 143-215.6C, the Clean Water Act and 40 CFR 122.41 including civil penalties, criminal penalties, and injunctive relief.

If you wish to continue the activity permitted under the General Permit after the expiration date of the General Permit, an application for renewal must be filed at least 180 days prior to expiration.

This COC is not automatically transferable. A name/ownership change application must be submitted to the Division prior to a name change or change in ownership.

If any parts, requirements, or limitations contained in this COC are unacceptable, you have the right to apply for an individual NPDES Permit by contacting the staff member listed below for information on this process. Unless such a request is made within 30 days, this COC shall be final and binding.

This facility is located in a county covered by our Fayetteville Regional Office. The Regional Office Aquifer Protection Staff may be reached at (910) 433-3300. If you need additional information concerning this COC or the General Permit, please contact the Animal Feeding Operations Unit staff at (919) 733-3221.

Sincerely,

for Coleen H. Sullins

Enclosures (General Permit NCA200000, Record Keeping and Reporting Package)

cc: (Certificate of Coverage only for all cc's)
Fayetteville Regional Office, Aquifer Protection Section
Sampson County Health Department
Sampson County Soil and Water Conservation District
APS Central Files (Permit No. NCA282225)
AFO Notebooks

Animal Waste Management Plan Certification

(Please type or print all information that does not require a signature)

(Existing) or New or Expanded (please circle one)

General Information:

82 - 614

Name of Farm: Godwin Farms 1-8 Facility No: (82 - 225)

Owner(s) Name: Tommy Godwin Phone No: (910) 564-6408

Mailing Address: 2476 Sharecake Road Clinton, NC 28328

Farm Location: County Farm is located in: Sampson

Latitude and Longitude: 35° 09' 09" / 78° 22' 34" Integrator: Prestage Farms, Inc.

Please attach a copy of a county road map with location identified and describe below (Be specific: road names, directions, milepost, etc.): From Clinton take HWY. 701 North towards Newton Grove. Go past Carr Memorial Church (on right) and turn at the next left onto SR 1818. Farm is approximately 3 miles on the right.

Operation Description:

Type of Swine	*No. of Animals*	*Type of Poultry*	*No. of Animals*	*Type of Cattle*	*No. of Animals*
☐ Wean to Feeder		☐ Layer		☐ Dairy	
☑ Feeder to Finish	5650	☐ Pullets		☐ Beef	
☐ Farrow to Wean					
☐ Farrow to Feeder					
☐ Farrow to Finish		*Other Type of Livestock:*		*Number of Animals:*	
☐ Gilts					
☐ Boars					

RECEIVED NOV 1997 WATER QUALITY SECTION Non-Discharge Compliance Unit

Expanding Operation Only

Previous Design Capacity: *Additional Design Capacity:* *Total Design Capacity:*

Acreage Available for Application: 63.86 Required Acreage: 54.5

Number of Lagoons / Storage Ponds: 2 Total Capacity: 1,128,443 Cubic Feet (ft^3)

Are subsurface drains present on the farm: YES or (NO) (please circle one)

If YES: are subsurface drains present in the area of the LAGOON or SPRAY FIELD (please circle one)

****

Owner / Manager Agreement

I (we) verify that all the above information is correct and will be updated upon changing. I (we) understand the operation and maintenance procedures established in the approved animal waste management plan for the farm named above and will implement these procedures. I (we) know that any expansion to the existing design capacity of the waste treatment and storage system or construction of new facilities will require a new certification to be submitted to the Division of Environmental Management before the new animals are stocked. I (we) understand that there must be no discharge of animal waste from the storage or application system to surface waters of the state either directly through a man-made conveyance or from a storm event less severe than the 25-year, 24-hour storm and there must not be run-off from the application of animal waste. I (we) understand that run-off of pollutants from lounging and heavy use areas must be minimized using technical standards developed by the Natural Resources Conservation Service. The approved plan will be filed at the farm and at the office of the local Soil and Water Conservation District. I (we) know that any modification must be approved by a technical specialist and submitted to the Soil and Water Conservation District prior to implementation. A change in land ownership requires written notification to DEM or a new certification (if the approved plan is changed) within 60 days of a title transfer.

Name of Land Owner: Tommy Godwin

Signature: Tommy Godwin Date: 11/6/97

Name of Manager (if different from owner): _____

Signature: _____ Date: _____

Technical Specialist Certification

I. As a technical specialist designated by the North Carolina Soil and Water Conservation Commission pursuant to 15A NCAC 6F .0005, I certify that the animal waste management system for the farm named above has an animal waste management plan that meets or exceeds standards and specifications of the Division of Environmental Management (DEM) as specified in 15A NCAC 2H.0217 and the USDA-Natural Resources Conservation Service (NRCS) and/or the North Carolina Soil and Water Conservation Commission pursuant to 15A NCAC 2H.0217 and 15A NCAC 6F .0001-.0005. The following elements are included in the plan as applicable. While each category designates a technical specialist who may sign each certification (SD, SI, WUP, RC, I), the technical specialist should only certify parts for which they are technically competent.

II. Certification of Design

A) Collection, Storage, Treatment System

Check the appropriate box

☑ Existing facility without retrofit (SD or WUP)
Storage volume is adequate for operation capacity; storage capability consistent with waste utilization requirements.

☐ New, expanded or retrofitted facility (SD)
Animal waste storage and treatment structures, such as but not limited to collection systems, lagoons and ponds, have been designed to meet or exceed the minimum standards and specifications.

Name of Technical Specialist (Please Print): Randall N. Barefoot
Affiliation Prestage Farms, Inc. Date Work Completed: 7/24/95
Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771
Signature: Randall N. Barefoot Date: 11/6/97

B) Land Application Site (WUP)

The plan provides for minimum separations (buffers); adequate amount of land for waste utilization; chosen crop is suitable for waste management; hydraulic and nutrient loading rates.

Name of Technical Specialist (Please Print): Randall N. Barefoot
Affiliation Prestage Farms, Inc. Date Work Completed: 7/24/95
Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771
Signature: Randall N. Barefoot Date: 11/6/97

C) Runoff Controls from Exterior Lots

Check the appropriate box

☑ Facility without exterior lots (SD or WUP or RC)
This facility does not contain any exterior lots.

☐ Facility with exterior lots (RC)
Methods to minimize the run off of pollutants from lounging and heavy use areas have been designed in accordance with technical standards developed by NRCS.

Name of Technical Specialist (Please Print): Randall N. Barefoot
Affiliation Prestage Farms, Inc. Date Work Completed: 7/24/95
Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771
Signature: Randall N. Barefoot Date: 11/6/97

D). Application and Handling Equipment

Check the appropriate box

☑ Existing or expanding facility with existing waste application equipment (WUP or I)
Animal waste application equipment specified in the plan has been either field calibrated or evaluated in accordance with existing design charts and tables and is able to apply waste as necessary to accommodate the waste management plan: (existing application equipment can cover the area required by the plan at rates not to exceed either the specified hydraulic or nutrient loading rates, a schedule for timing of applications has been established; required buffers can be maintained and calibration and adjustment guidance are contained as part of the plan).

☐ New, expanded, or existing facility without existing waste application equipment for spray irrigation. (I)
Animal waste application equipment specified in the plan has been designed to apply waste as necessary to accommodate the waste management plan; (proposed application equipment can cover the area required by the plan at rates not to exceed either the specified hydraulic or nutrient loading rates; a schedule for timing of applications has been established; required buffers can be maintained; calibration and adjustment guidance are contained as part of the plan).

☐ New, expanded, or existing facility without existing waste application equipment for land spreading not using spray irrigation. (WUP or I)
Animal waste application equipment specified in the plan has been selected to apply waste as necessary to accommodate the waste management plan; (proposed application equipment can cover the area required by the plan at rates not to exceed either the specified hydraulic or nutrient loading rates; a schedule for timing of applications has been established; required buffers can be maintained; calibration and adjustment guidance are contained as part of the plan).

Name of Technical Specialist (Please Print): Randall N. Barefoot

Affiliation Prestage Farms, Inc. Date Work Completed: 7/24/95

Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771

Signature: Randall N. Barefoot Date: 11/6/97

E) Odor Control, Insect Control, Mortality Management and Emergency Action Plan (SD, SI, WUP, RC or I)

The waste management plan for this facility includes a Waste Management Odor Control Checklist, an Insect Control Checklist, a Mortality Management Checklist and an Emergency Action Plan. Sources of both odors and insects have been evaluated with respect to this site and Best Management Practices to Minimize Odors and Best Management Practices to Control Insects have been selected and included in the waste management plan. Both the Mortality Management Plan and the Emergency Action Plan are complete and can be implemented by this facility.

Name of Technical Specialist (Please Print): Randall N. Barefoot

Affiliation Prestage Farms, Inc. Date Work Completed: 11/6/97

Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771

Signature: Randall N. Barefoot Date: 11/6/97

F) Written Notice of New or Expanding Swine Farm

The following signature block is only to be used for new or expanding swine farms that begin construction after June 21, 1996. If the facility was built before June 21, 1996, when was it constructed or last expanded_____.

I (we) certify that I (we) have attempted to contact by certified mail all adjoining property owners and all property owners who own property located across a public road, street, or highway from this new or expanding swine farm. The notice was in compliance with the requirements of NCGS 106-805. A copy of the notice and a list of the property owners notified is attached.

Name of Land Owner:_____

Signature:_____ **Date:**_____

Name of Manager (if different from owner):_____

Signature:_____ **Date:**_____

III. Certification of Installation

A) Collection, Storage, Treatment Installation

New, expanded or retrofitted facility (SI)

Animal waste storage and treatment structures, such as but not limited to lagoons and ponds, have been installed in accordance with the approved plan to meet or exceed the minimum standards and specifications.

For existing facilities without retrofits, no certification is necessary.

Name of Technical Specialist (Please Print):_____

Affiliation_____ Date Work Completed:_____

Address (Agency):_____ Phone No.:_____

Signature:_____ Date:_____

B) Land Application Site (WUP)

Check the appropriate box

☐ The cropping system is in place on all land as specified in the animal waste management plan.

☑ **Conditional Approval:** all required land as specified in the plan is cleared for planting; the cropping system as specified in the waste utilization plan has not been established and the owner has committed to establish the vegetation as specified in the plan by 5/6/98 (month/day/year); the proposed cover crop is appropriate for compliance with the wasteutilization plan.

☑ Also check this box if appropriate

if the cropping system as specified in the plan can not be established on newly cleared land within 30 days of this certification, the owner has committed to establish an interim crop for erosion control;

Name of Technical Specialist (Please Print): Randall N. Barefoot

Affiliation Prestage Farms, Inc. Date Work Completed:_____

Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771

Signature: Randall N. Barefoot Date: 11/6/97

This following signature block is only to be used when the box for conditional approval in III. B above has been checked.

I (we) certify that I (we) have committed to establish the cropping system as specified in my (our) waste utilization plan, and if appropriate to establish the interim crop for erosion control, and will submit to DEM a verification of completion from a Technical Specialist within 15 calendar days following the date specified in the conditional certification. I (we) realize that failure to submit this verification is a violation of the waste management plan and will subject me (us) to an enforcement action from DEM.

Name of Land Owner: Tommy Godwin

Signature: [signature] **Date:** 11/6/97

Name of Manager (if different from owner):_____

Signature:_____ **Date:**_____

C) Runoff Controls from Exterior Lots (RC)

Facility with exterior lots

Methods to minimize the run off of pollutants from lounging and heavy use areas have been installed as specified in the plan.

For facilities without exterior lots, no certification is necessary.

Name of Technical Specialist (Please Print):_____

Affiliation_____ Date Work Completed:_____

Address (Agency):_____ Phone No.:_____

Signature:_____ Date:_____

D) Application and Handling Equipment Installation (WUP or I)

Check the appropriate block

☑ Animal waste application and handling equipment specified in the plan is on site and ready for use; calibration and adjustment materials have been provided to the owners and are contained as part of the plan.

☐ Animal waste application and handling equipment specified in the plan has not been installed but the owner has proposed leasing or third party application and has provided a signed contract; equipment specified in the contract agrees with the requirements of the plan; required buffers can be maintained; calibration and adjustment guidance have been provided to the owners and are contained as part of the plan.

☐ **Conditional approval:** Animal waste application and handling equipment specified in the plan has been purchased and will be on site and installed by _____(month/day/year); there is adequate storage to hold the waste until the equipment is installed and until the waste can be land applied in accordance with the cropping system contained in the plan; and calibration and adjustment guidance have been provided to the owners and are contained as part of the plan.

Name of Technical Specialist (Please Print): Randall N. Barefoot

Affiliation Prestage Farms, Inc. Date Work Completed: 7/24/95

Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771

Signature: Randall N. Barefoot Date: 11/6/97

The following signature block is only to be used when the box for conditional approval in III D above has been checked.

I (we) certify that I (we) have committed to purchase the animal waste application and handling equipment as specified in my (our) waste management plan and will submit to DEM a verification of delivery and installation from a Technical Specialist within 15 calendar days following the date specified in the conditional certification. I (we) realize that failure to submit this verification is a violation of the waste management plan and will subject me (us) to an enforcement action from DEM.

Name of Land Owner:_____

Signature:_____ **Date:**_____

Name of Manager (if different from owner):_____

Signature:_____ **Date:**_____

E) Odor Control, Insect Control and Mortality Management (SD, SI, WUP, RC or I)

Methods to control odors and insects as specified in the Plan have been installed and are operational. The mortality management system as specified in the Plan has also been installed and is operational.

Name of Technical Specialist (Please Print): Randall N. Barefoot

Affiliation Prestage Farms, Inc. Date Work Completed: 11/6/97

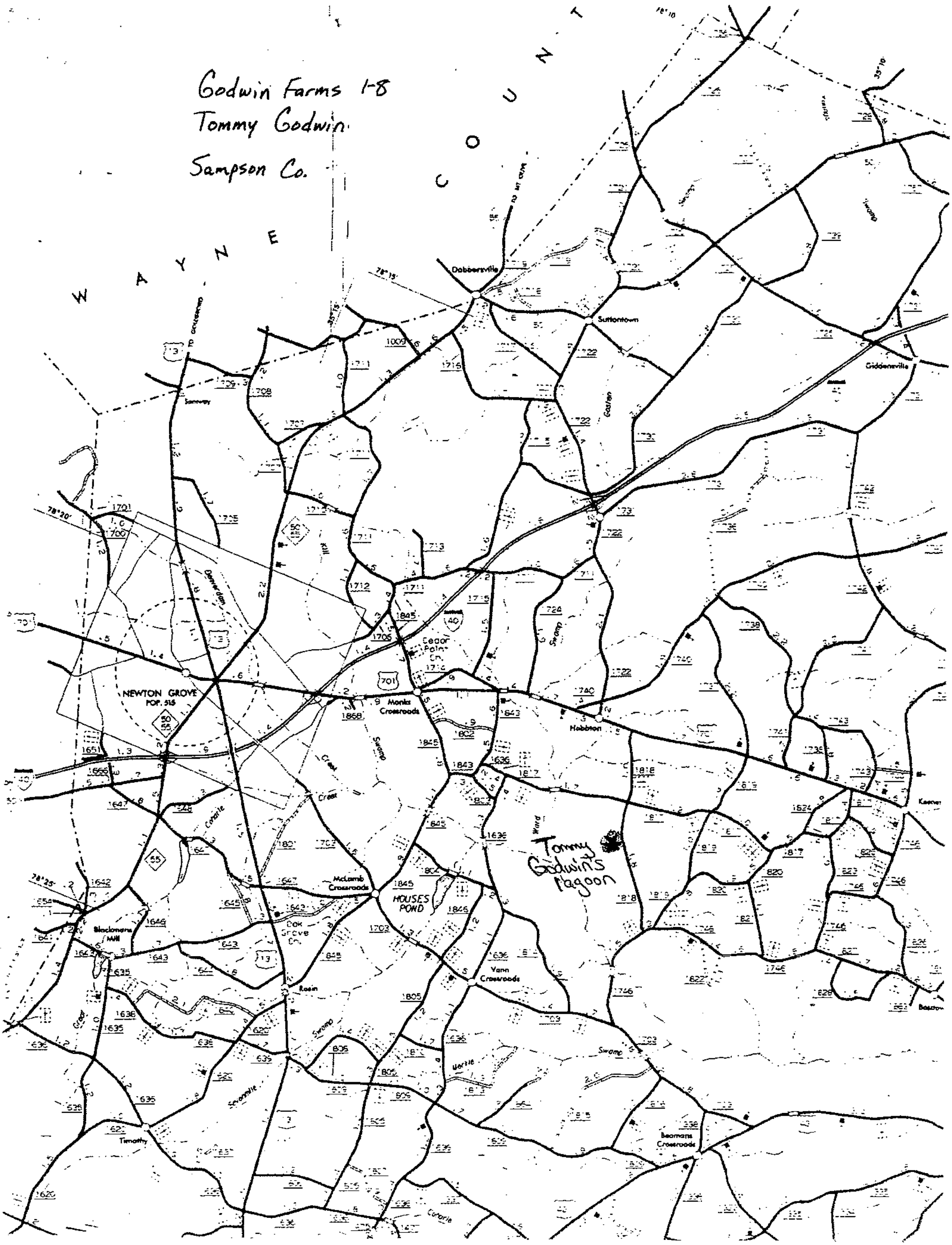
Address (Agency): P.O. Box 438 Clinton, NC 28329 Phone No.: (910) 592-5771

Signature: Randall N. Barefoot Date: 11/6/97

Please return the completed form to the Division of Water Quality at the following address:

Department of Environment, Health, and Natural Resources
Division Of Water Quality
Non-Discharge Branch, Compliance Unit
P.O. Box 29535
Raleigh, NC 27626-0535

Please also remember to submit a copy of this form along with the complete Animal Waste Management Plan to the local Soil and Water Conservation District Office and to keep a copy in your files with your Animal Waste Management Plan.


Godwin Farms 1-8
Tommy Godwin
Sampson Co.
WAYNE COUNTY
Dobbersville
Suttontown
Giddensville
Newton Grove
NEWTON GROVE POP. 515
Monks Crossroads
Cedar Point Ch.
Hobbton
Keener
McLamb Crossroads
HOUSES POND
Oak Grove Ch.
Blackmans Mill
Vann Crossroads
Rosin
Timothy
Beamans Crossroads
Tommy Godwin's lagoon

Waste Utilization Plan

Producer:	Thomas H. Godwin	County:	Sampson
Name of Farm:	Godwin Farms		
Location:	2476 Share Cake Road Clinton NC 28328		
Phone:	910-564-6408		
Type of Operation:	Feed-Finish		
Number of Animal:	5650		
Storage Structure:	Anaerobic Lagoon		
Method of Application:	Irrigation		
Amount of waste produced per year:		10735	ton/year
Amount of plant available N (PAN) produced/year:		12995	lbs./year
Amount of plant available Phosphorus produced/year:		7345	lbs./year

The waste from your animal facility must be land applied at a specified rate to prevent pollution of surface water and/or groundwater. The plant nutrients in the animal waste should be used to reduce the amount of commercial fertilizer required for the crops in the fields where the waste is to be applied.

This waste utilization plan uses nitrogen as the limiting nutrient. Waste should be analyzed before each application cycle. Annual soil tests are strongly encouraged so that all plant nutrients can be balanced for realistic yields of the crop to be grown.

Several factors are important in the implementing your waste utilization plan in order to maximize the fertilizer value of the waste and to ensure that it is applied in an environmentally safe manner.

1. Always apply waste based on the needs of the crop to be grown and the nutrient content of the waste. Do not apply more nitrogen than the crop can utilize.
2. Soil types are important as they have different infiltration rates, leaching potentials, cation exchange capacities, and available water holding capacities.
3. Normally waste shall not be applied to land eroding at more than 5 tons per acre per year. Waste may be applied to land eroding at 5 or more tons per acre annually, but less than 10 tons per acre per year providing that adequate filter strips are established.
4. Do not apply waste on saturated soils , when it is raining, or when the surface is frozen. Either of these conditions may in runoff to the surface waters which is not allowed under DWQ regulations.
5. Wind conditions should also be considered to avoid drift and downwind odor problems.
6. To maximize the value of the nutrients for crops production and to reduce the potential for pollution, the waste should be applied to a growing crop or applied not more than 30 days prior to planting a crop or forages breaking dormancy. Injecting the waste or disking will conserve nutrients and reduce odor problems.

This plan is based on the waste application method shown above. If you choose to change methods in the future, you need to revise this plan. Nutrient levels for different applications methods are not the same.

The estimated acres needed to apply the animal waste is based on typical nutrient content for this type of facility. Acreage requirements should be based on the waste analysis report from your waste management facility. In some cases you may want to have plant analysis made, which

could allow additional waste to be applied. Provisions shall be made for the area receiving waste to be flexible so as to accommodate changing waste analysis content and the crop type. Lime must be applied to maintain pH in the optimum range for specific crop production. This waste utilization plan, if carried out, meets the requirements for compliance with 15A NCAC 2H .0217 adopted by the Environmental Management Commission.

YOUR WASTE UTILIZATION PLAN IS BASED ON THE FOLLOWING:

Nitrogen

Tract No.	Field No.	Soil Type	Crop Code	Yield/Ac	Lbs. N unit	Acres	Lbs N Used	Month to Apply	Lbs. N Per Ac.
4404	1	BoB	CB-Graze	3.4	50	3.57	607	MAR-SEP	170
4404	1	BoB	OS-Graze	1	50	3.57	179	SEP-MAR	50
4404	2	BoB	CB-Graze	3.4	50	1.21	206	MAR-SEP	170
4404	2	BoB	OS-Graze	1	50	1.21	61	SEP-MAR	50
4404	3	BoB	CB-Graze	3.4	50	1.07	182	MAR-SEP	170
4404	3	BoB	OS-Graze	1	50	1.07	54	SEP-MAR	50
4404	4	BoB	CB-Graze	3.4	50	0.74	126	MAR-SEP	170
4404	4	BoB	OS-Graze	1	50	0.74	37	SEP-MAR	50
4404	5	WaB	CB-Hay	5.5	50	1.05	289	MAR-SEP	275
4404	5	WaB	OS-Hay	1	50	1.05	53	SEP-MAR	50
4404	6	WaB	CB-Hay	5.5	50	1.63	448	MAR-SEP	275
4404	6	WaB	OS-Hay	1	50	1.63	82	SEP-MAR	50
4404	7	BoB	CB-Graze	3.4	50	2.03	345	MAR-SEP	170
4404	7	BoB	OS-Graze	1	50	2.03	102	SEP-MAR	50
4404	8	WaB	CB-Graze	4.1	50	1.77	363	MAR-SEP	205
4404	8	WaB	OS-Graze	1	50	1.77	89	SEP-MAR	50
4404	9	BoB	CB-Graze	3.4	50	0.63	107	MAR-SEP	170
4404	9	BoB	OS-Graze	1	50	0.63	32	SEP-MAR	50
12120	10	BoB	CB-Graze	3.4	50	2.42	411	MAR-SEP	170
12120	10	BoB	OS-Graze	1	50	2.42	121	SEP-MAR	50
12122	11	BoB	CB-Graze	3.4	50	1.37	233	MAR-SEP	170
12122	11	BoB	OS-Graze	1	50	1.37	69	SEP-MAR	50
12122	12	BoB	CB-Graze	3.4	50	2.28	388	MAR-SEP	170
12122	12	BoB	OS-Graze	1	50	2.28	114	SEP-MAR	50
12122	13	WaB	CB-Graze	4.1	50	1.48	303	MAR-SEP	205
12122	13	WaB	OS-Graze	1	50	1.48	74	SEP-MAR	50
12122	14	BoB	CB-Graze	3.4	50	2.09	428	MAR-SEP	205
12122	14	BoB	OS-Graze	1	50	2.09	105	SEP-MAR	50
12121	15	Jo	CB-Graze	3.8	50	1.43	272	MAR-SEP	190
12121	15	Jo	OS-Graze	1	50	1.43	72	SEP-MAR	50
12121	16	WaB	CB-Graze	4.1	50	1.47	301	MAR-SEP	205
12121	16	WaB	OS-Graze	1	50	1.47	74	SEP-MAR	50
4405	17	Jo	CB-Graze	3.8	50	1.42	270	MAR-SEP	190
4405	17	Jo	OS-Graze	1	50	1.42	71	SEP-MAR	50
12121	18	WaB	OS-Graze	4.1	50	1.42	291	MAR-SEP	205
12121	18	WaB	OS-Graze	1	50	1.42	71	SEP-MAR	50
4405	19	Jo	CB-Graze	3.8	50	0.97	184	MAR-SEP	190
4405	19	Jo	OS-Graze	1	50	0.97	49	SEP-MAR	50
4405	20	WaB	CB-Graze	4.1	50	0.56	115	MAR-SEP	205
4405	20	WaB	OS-Graze	1	50	0.56	28	SEP-MAR	50
4405	21	Jo	CB-Graze	3.8	50	1.47	279	MAR-SEP	190
4405	21	Jo	OS-Graze	1	50	1.47	74	SEP-MAR	50
4403	22	Jo	CB-Graze	3.8	50	3.10	589	MAR-SEP	190
4403	22	Jo	OS-Graze	1	50	3.10	155	SEP-MAR	50
4403	23	Jo	CB-Graze	3.8	50	1.26	239	MAR-SEP	190
4403	23	Jo	OS-Graze	1	50	1.26	63	SEP-MAR	50

Tract No.	Field No.	Soil Type	Crop Code	Yield/Ac	Lbs. N unit	Acres	Lbs N Used	Month to Apply	Lbs. N Per Ac.
4403	24	Jo	CB-Graze	3.8	50	2.40	456	MAR-SEP	190
4403	24	Jo	OS-Graze	1	50	2.40	120	SEP-MAR	50
4403	25	Jo	CB-Graze	3.8	50	1.53	291	MAR-SEP	190
4403	25	Jo	OS-Graze	1	50	1.53	77	SEP-MAR	50
4403	26	Lm	CB-Graze	3.4	50	1.35	230	MAR-SEP	170
4403	26	Lm	OS-Graze	1	50	1.35	68	SEP-MAR	50
4403	27	Lm	CB-Graze	3.4	50	0.56	95	MAR-SEP	170
4403	27	Lm	OS-Graze	1	50	0.56	28	SEP-MAR	50
9748	28	KaA	OS-Hay	6.3	50	1.64	517	MAR-SEP	315
9748	28	KaA	OS-Hay	1	50	1.64	82	SEP-MAR	50
9748	29	KaA	OS-Hay	6.3	50	2.39	753	MAR-SEP	315
9748	29	KaA	OS-Hay	1	50	2.39	120	SEP-MAR	50
9748	30	KaA	OS-Hay	6.3	50	2.56	806	MAR-SEP	315
9748	30	KaA	OS-Hay	1	50	2.56	128	SEP-MAR	50
9748	31	KaA	OS-Hay	6.3	50	2.44	769	MAR-SEP	315
9748	31	KaA	OS-Hay	1	50	2.44	122	SEP-MAR	50
13094	32	WaB	CB-Hay	5.5	50	1.85	509	MAR-SEP	275
13094	32	WaB	OS-Hay	1	50	1.85	93	SEP-MAR	50
13094	33	WaB	CB-Hay	5.5	50	1.45	399	MAR-SEP	275
13094	33	WaB	OS-Hay	1	50	1.45	73	SEP-MAR	50
					Total	54.61	14531	lbs.	
					Available Nitrogen		12995	lbs.	
					Surplus or deficit		-1536	lbs.	

Applying the above amount of waste is a big job. You should plan time and have appropriate equipment to apply the waste in a timely manner.

YOUR WASTE UTILIZATION PLAN IS BASED ON THE FOLLOWING:

Phosphorus

Tract No.	Field No.	Soil Type	Crop Code	Acres	Lbs Phos. Used	Lbs Phos. Per Ac. *
4404	1	BoB	CB-Graze	3.57	19	5.4
4404	1	BoB	OS-Graze	3.57	5	1.5
4404	2	BoB	CB-Graze	1.21	7	5.4
4404	2	BoB	OS-Graze	1.21	2	1.5
4404	3	BoB	CB-Graze	1.07	6	5.4
4404	3	BoB	OS-Graze	1.07	2	1.5
4404	4	BoB	CB-Graze	0.74	4	5.4
4404	4	BoB	OS-Graze	0.74	1	1.5
4404	5	WaB	CB-Hay	1.05	69	66
4404	5	WaB	OS-Hay	1.05	16	15
4404	6	WaB	CB-Hay	1.63	108	66
4404	6	WaB	OS-Hay	1.63	24	15
4404	7	BoB	CB-Graze	2.03	11	5.4
4404	7	BoB	OS-Graze	2.03	3	1.5
4404	8	WaB	CB-Graze	1.77	12	6.6
4404	8	WaB	OS-Graze	1.77	3	1.5
4404	9	BoB	CB-Graze	0.63	3	5.4
4404	9	BoB	OS-Graze	0.63	1	1.5
12120	10	BoB	CB-Graze	2.42	13	5.4
12120	10	BoB	OS-Graze	2.42	4	1.5
12122	11	BoB	CB-Graze	1.37	7	5.4
12122	11	BoB	OS-Graze	1.37	2	1.5
12122	12	BoB	CB-Graze	2.28	12	5.4

Tract No.	Field No.	Soil Type	Crop Code	Acres	Lbs Phos. Used	Lbs Phos. Per Ac.
12122	12	BoB	OS-Graze	2.28	3	1.5
12122	13	WaB	CB-Graze	1.48	10	6.6
12122	13	WaB	OS-Graze	1.48	2	1.5
12122	14	BoB	CB-Graze	2.09	11	5.4
12122	14	BoB	OS-Graze	2.09	3	1.5
12121	15	Jo	CB-Graze	1.43	9	6.2
12121	15	Jo	OS-Graze	1.43	2	1.5
12121	16	WaB	CB-Graze	1.47	10	6.6
12121	16	WaB	OS-Graze	1.47	2	1.5
4405	17	Jo	CB-Graze	1.42	9	6.2
4405	17	Jo	OS-Graze	1.42	2	1.5
12121	18	WaB	OS-Graze	1.42	9	6.6
12121	18	WaB	OS-Graze	1.42	2	1.5
4405	19	Jo	CB-Graze	0.97	6	6.2
4405	19	Jo	OS-Graze	0.97	1	1.5
4405	20	WaB	CB-Graze	0.56	4	6.6
4405	20	WaB	OS-Graze	0.56	1	1.5
4405	21	Jo	CB-Graze	1.47	9	6.2
4405	21	Jo	OS-Graze	1.47	2	1.5
4403	22	Jo	CB-Graze	3.10	19	6.2
4403	22	Jo	OS-Graze	3.10	5	1.5
4403	23	Jo	OS-Graze	1.26	8	6.2
4403	23	Jo	OS-Graze	1.26	2	1.5
4403	24	Jo	CB-Graze	2.40	15	6.2
4403	24	Jo	OS-Graze	2.40	4	1.5
4403	25	Jo	CB-Graze	1.53	9	6.2
4403	25	Jo	OS-Graze	1.53	2	1.5
4403	26	Lm	CB-Graze	1.35	7	5.5
4403	26	Lm	OS-Graze	1.35	2	1.5
4403	27	Lm	CB-Graze	0.56	3	5.5
4403	27	Lm	OS-Graze	0.56	1	1.5
9748	28	KaA	CB-Hay	1.64	131	80
9748	28	KaA	OS-Hay	1.64	25	15
9748	29	KaA	CB-Hay	2.39	191	80
9748	29	KaA	OS-Hay	2.39	36	15
9748	30	KaA	CB-Hay	2.56	205	80
9748	30	KaA	OS-Hay	2.56	38	15
9748	31	KaA	CB-Hay	2.44	195	80
9748	31	KaA	OS-Hay	2.44	37	15
13094	32	WaB	CB-Hay	1.85	122	66
13094	32	WaB	OS-Hay	1.85	28	15
13094	33	WaB	CB-Hay	1.45	96	66
13094	33	WaB	OS-Hay	1.45	22	15
				54.61	1475	lbs.
			Available Phosphorus		7345	lbs.
			Surplus or deficit		5870	lbs.

*** Phosphorus removal rate is reduced by 90% on grazed coastal compared to hayed coastal.**

The applicator is cautioned that P and K may be over applied while meeting the N requirements. In the future, regulations may require farmers in some parts of North Carolina to have a nutrient management plan that addresses all nutrients. This plan will address nitrogen and phosphorus.

In interplanted fields (i.e. small grain, etc. interseeded in bermudagrass), forage must be removed through grazing, hay and /or silage. Where grazing, plants should be grazed when they reach a height of six to nine inches. Cattle should be removed when plants are grazed to a height of four inches. In fields where small grain etc. is to be removed for hay or silage, care should be exercised not to let small grain to reach materity, especially late in the season (i.e. April or May) Shading may result if small grain gets too high and this will definitely interfere with the stand of bermudagrass. This loss of stand will result in reduced yields and less nitrogen being utilized. Rather than cutting small grain for hay or silage just before heading as is the normal situation, you are encouraged to cut the small grain earlier. You may want to consider harvesting hay or silage two to three times during the season, depending on the time small grain is planted in the fall.

The ideal time to interplant small grain, etc. is late September or early October . Drilling is recommended over broadcasting. Bermudagrass should be grazed or mowed to a height of about two inches before drilling for best results.

Caution must be exercised in grazing or haying summer annuals under stressed conditions. Nitrate poisoning may occur in livestock. Sampling forage or hay for nitrate levels is recommended.

Acres shown in the tables are considered to be the usable acres excluding required buffers, filters strips along ditches, odd areas unable to be irrigated, and perimeter areas not receiving full application rates due to equipment limitations. Actual total acres in the field listed may, and most likely will be, more than the acres shown in the tables.

See attached map showing the fields to be used for the utilization of animal waste.

SLUDGE APPLICATION:

The waste utilization plan must contain provisions for periodic land application of sludge at agronomic rates. The sludge will be nutrient rich and will require precautionary measures to prevent over application of nutrients or other elements. Your production facility will produce approximately 407 lbs. of plant available nitrogen per year in the sludge.

If you remove sludge every 5 years you will have approximately 2034 lbs. of PAN to utilize. Assuming you apply this PAN to hybrid bermudagrass hayland at the rate of 300 lbs/acre you will need 7 acres of land. If you apply the sludge to corn at the rate of 125 lbs. of nitrogen per acre you will need 16 acres of land. Please be aware that these are only estmates of the PAN and the land needed. Actual requirements could vary by 25% depending on the sludge waste analysis, soil types, realistic yields, and application methods.

APPLICATION OF WASTE BY IRRIGATION

The irrigation application rate should not exceed the intake rate of the soil at the time of irrigation such that runoff or ponding occurs. This rate is limited by initial soil moisture content, soil structure, soil texture, water droplet size, and organic solids. The application amount should not exceed the available water holding capacity

of the soil at the time of irrigation nor should the plant available nitrogen applied exceed the nitrogen needs of the crop.

If surface irrigation is the method of land application for this plan, it is the responsibility of the producer and irrigation designer to ensure that an irrigation system is installed to properly irrrigate the acres shown in tables. Failure to apply the recommended rates and amounts of nitrogen shown in the tables may make this plan invalid.

The following table is provided as a guide for establishing application rates and amounts.

Tract No.	Field No.	Soil Type	Crop Code	Applic. Rate(in/hr)	Applic. Amount
4404	1	BoB	CB-Graze	0.50	1.0
4404	1	BoB	OS-Graze	0.50	1.0
4404	2	BoB	CB-Graze	0.50	1.0
4404	2	BoB	OS-Graze	0.50	1.0
4404	3	BoB	CB-Graze	0.50	1.0
4404	3	BoB	OS-Graze	0.50	1.0
4404	4	BoB	CB-Graze	0.50	1.0
4404	4	BoB	OS-Graze	0.50	1.0
4404	5	WaB	CB-Hay	0.50	1.0
4404	5	WaB	OS-Hay	0.50	1.0
4404	6	WaB	CB-Hay	0.50	1.0
4404	6	WaB	OS-Hay	0.50	1.0
4404	7	BoB	CB-Graze	0.50	1.0
4404	7	BoB	OS-Graze	0.50	1.0
4404	8	WaB	CB-Graze	0.50	1.0
4404	8	WaB	OS-Graze	0.50	1.0
4404	9	BoB	CB-Graze	0.50	1.0
4404	9	BoB	OS-Graze	0.50	1.0
12120	10	BoB	CB-Graze	0.50	1.0
12120	10	BoB	OS-Graze	0.50	1.0
12122	11	BoB	CB-Graze	0.50	1.0
12122	11	BoB	OS-Graze	0.50	1.0
12122	12	BoB	CB-Graze	0.50	1.0
12122	12	BoB	OS-Graze	0.50	1.0
12122	13	WaB	CB-Graze	0.50	1.0
12122	13	WaB	OS-Graze	0.50	1.0
12122	14	BoB	CB-Graze	0.50	1.0
12122	14	BoB	OS-Graze	0.50	1.0
12121	15	Jo	CB-Graze	0.50	1.0
12121	15	Jo	OS-Graze	0.50	1.0
12121	16	WaB	CB-Graze	0.50	1.0
12121	16	WaB	OS-Graze	0.50	1.0
4405	17	Jo	CB-Graze	0.50	1.0
4405	17	Jo	OS-Graze	0.50	1.0
12121	18	WaB	OS-Graze	0.50	1.0
12121	18	WaB	OS-Graze	0.50	1.0
4405	19	Jo	CB-Graze	0.50	1.0
4405	19	Jo	OS-Graze	0.50	1.0
4405	20	WaB	CB-Graze	0.50	1.0
4405	20	WaB	OS-Graze	0.50	1.0
4405	21	Jo	CB-Graze	0.50	1.0
4405	21	Jo	OS-Graze	0.50	1.0
4403	22	Jo	CB-Graze	0.50	1.0
4403	22	Jo	OS-Graze	0.50	1.0

Tract No.	Field No.	Soil Type	Crop Code	Applic. Rate(in/hr)	Applic. Amount
4403	23	Jo	OS-Graze	0.50	1.0
4403	23	Jo	OS-Graze	0.50	1.0
4403	24	Jo	CB-Graze	0.50	1.0
4403	24	Jo	OS-Graze	0.50	1.0
4403	25	Jo	CB-Graze	0.50	1.0
4403	25	Jo	OS-Graze	0.50	1.0
4403	26	Lm	CB-Graze	0.50	1.0
4403	26	Lm	OS-Graze	0.50	1.0
4403	27	Lm	CB-Graze	0.50	1.0
4403	27	Lm	OS-Graze	0.50	1.0
9748	28	KaA	CB-Hay	0.50	1.0
9748	28	KaA	OS-Hay	0.50	1.0
9748	29	KaA	CB-Hay	0.50	1.0
9748	29	KaA	OS-Hay	0.50	1.0
9748	30	KaA	CB-Hay	0.50	1.0
9748	30	KaA	OS-Hay	0.50	1.0
9748	31	KaA	CB-Hay	0.50	1.0
9748	31	KaA	OS-Hay	0.50	1.0
13094	32	WaB	CB-Hay	0.50	1.0
13094	32	WaB	OS-Hay	0.50	1.0
13094	33	WaB	CB-Hay	0.50	1.0
13094	33	WaB	OS-Hay	0.50	1.0

This is the maximum application amount allowed for the soil assuming the amount of nitrogen allowed for the crop is not over applied. In many situations the application amount shown cannot be applied because of the nitrogen limitations. The maximum application amount shown can be applied under optimum soil conditions.

Your facility is designed for 180 days of temporary storage and the temporary storage must be removed on the average of once every 6 months. In no instances should the volume of the waste be stored in your structure be within the 25 year 24 hour storm storage or one foot of freeboard except in the event of the 25 year 24 hour storm.

It is the responsibility of the producer and the waste applicator to ensure that the spreader equipment is operated properly to apply the correct rates shown in the tables. Failure to apply the recommended rates and amounts of nitrogen shown in the tables may make this plan invalid.

Call your technical specialist after you have receive the waste analysis report for assistance in determining the amount of waste per acre and the proper application rate prior to appling the waste.

NARRATIVE OF OPERATION

WASTE UTILIZATION PLAN AGREEMENT

Name of Farm: Godwin Farms

Owner/Manager Agreement

I (we) understand and will follow and implement the specifications and the operation and maintenance procedures established in the approved animal waste utilization plan for the farm named above. I (we) know that any expansion to the existing design capacity of the waste treatment and storage system or construction of new facilities will require a new certification to be submitted to the North Carolina Division of Water Quality (NCDWQ) before the new animals are stocked. I (we) also understand that there must be no discharge of animal waste from this system to the surface waters of the state from a storm event less severe than the 25-year, 24 hour storm. The approved plan will be filed on-site at the farm office and at the office of the local Soil and Water Conservation District and will be available for review by NCDWQ upon request.

Name of Facility Owner: Thomas H. Godwin

Signature: _____ Date: 3/15/12

Name of Manager (If different from owner)

Signature: _____ Date: _____

Name of Person Preparing Plan: G. Glenn Clifton

Affiliation: Prestage Farms, Inc. Phone: 910-596-5749
Address: P.O. Box 438
Clinton, NC 28329

Signature: _____ Date: 3/15/12

Hard Hose Traveling Gun System

Land owner: Tommy Godwin Facility Number: 82-225

Irrigation System Designation: X Existing Irrigation System _____ New/Expanding Irrigation System

Wetted Diameter: 220 feet

Spacing: various feet

Hydrant Layout: X Multiple Hydrants _____ Single Hydrant

Pull Number	Lane Spacing	Pull Length	Location Ext/Int	Middle	Start End	Stop End	Total Acres
1	Single	815	Ext	3.22	0.35		3.57
2	145	200	Ext	0.88	0.33		1.21
3	135	220	Int	0.76	0.31		1.07
4	135	240	Ext	0.57	0.17		0.74
5	135	170	Ext	0.74	0.31		1.05
6	135	635	Ext	1.47	0.16		1.63
7	155	385	Ext	1.68	0.35		2.03
8	155	325	Ext	1.42	0.35		1.77
9	Single	195	Ext	0.45	0.18		0.63
10	145	495	Ext	2.09	0.33		2.42
11	150	240	Ext	1.04	0.33		1.37
12	150	560	Int	1.95	0.33		2.28
13	145	330	Int	1.15	0.33		1.48
14	150	505	Int	1.76	0.33		2.09
15	130	315	Ext	1.06	0.37		1.43
16	140	350	Int	1.16	0.31		1.47
17	185	210	Ext	1.01	0.41		1.42
18	150	305	Int	1.09	0.33		1.42
19	130	180	Ext	0.66	0.31		0.97
20	170	180	Ext	0.43	0.13		0.56
21	135	370	Int	1.16	0.31		1.47
22	130	675	Ext	2.73	0.37		3.10
23	140	210	Ext	0.89	0.37		1.26
24	130	695	Int	2.09	0.31		2.40
25	130	660	Ext	1.34	0.19		1.53
26	140	235	Ext	0.98	0.37		1.35
27	140	175	Ext	0.37	0.19		0.56
28	135	335	Ext	1.27	0.37		1.64
29	135	960	Ext	2.20	0.19		2.39
30	140	525	Ext	2.19	0.37		2.56
31	140	495	Ext	2.07	0.37		2.44
32	165	490	Ext	1.39	0.20	0.26	1.85
33	165	565	Ext	1.25	0.20		1.45
						Total	54.61

Computed By: H. Glenn Cliff
Prestage Farms, Inc.

IRRIGATION SYSTEM PARAMETERS

Land Owner: Tommy Godwin
Address: 2476 Share Cake Road
Clinton NC 28328
Telephone: 910-564-6408

Date: 12/14/2009
Facility No. 82-225
County: Sampson

TABLE 1 - Field Specifications

Field No. and/or Pull No.	Maximum Usable Size of Field	Soil Type	Slope (%)	Crop(s)	Maximum Application Rate (in/hr)	Maximum Application per Irrigation Cycle (inches)
1	3.57	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
2	121	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
3	1.07	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
4	0.74	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
5	1.05	WaB	0-6	CB-Hay, OS Hay	0.5	1.0
6	1.63	WaB	0-6	CB-Hay, OS Hay	0.5	1.0
7	2.03	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
8	1.77	WaB	0-6	CB-Graze, OS Graze	0.5	1.0
9	0.63	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
10	2.42	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
11	1.37	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
12	2.28	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
13	1.48	WaB	0-6	CB-Graze, OS Graze	0.5	1.0
14	2.09	BoB	0-6	CB-Graze, OS Graze	0.5	1.0
15	1.43	Jo		CB-Graze, OS Graze	0.5	1.0
16	1.47	WaB	0-6	CB-Graze, OS Graze	0.5	1.0
17	1.42	Jo		CB-Graze, OS Graze	0.5	1.0
18	1.42	WaB	0-6	CB-Graze, OS Graze	0.5	1.0
19	0.97	Jo		CB-Graze, OS Graze	0.5	1.0
20	0.56	WaB	0-6	CB-Graze, OS Graze	0.5	1.0
21	1.47	Jo		CB-Graze, OS Graze	0.5	1.0
22	3.10	Jo		CB-Graze, OS Graze	0.5	1.0
23	1.26	Jo		CB-Graze, OS Graze	0.5	1.0
24	2.40	Jo		CB-Graze, OS Graze	0.5	1.0
25	1.53	Jo		CB-Graze, OS Graze	0.5	1.0
26	1.35	Lm		CB-Graze, OS Graze	0.5	1.0
27	0.56	Lm		CB-Graze, OS Graze	0.5	1.0
28	1.64	KaA	0-3	CB-Hay, OS Hay	0.5	1.0
29	2.39	KaA	0-3	CB-Hay, OS Hay	0.5	1.0
30	2.56	KaA	0-3	CB-Hay, OS Hay	0.5	1.0
31	2.44	KaA	0-3	CB-Hay, OS Hay	0.5	1.0
32	1.85	WaB	0-6	CB-Hay, OS Hay	0.5	1.0
33	1.45	WaB	0-6	CB-Hay, OS Hay	0.5	1.0

Computed By: A. Glenn Clifton
Prestige Farms, Inc.

WASTE UTILIZATION PLAN

REQUIRED SPECIFICATIONS

1. Animal waste shall not reach surface waters of the state by runoff, drift, manmade conveyances, direct application, or direct discharge during operation or land application. Any discharge of waste which reaches surface water is prohibited.

2. There must be documentation in the design folder that the producer either owns or has an agreement for use of adequate land on which to properly apply waste. If the producer does not own adequate land to properly dispose of waste , he/she shall provide a copy of an agreement with a landowner who is within a reasonable proximity, allowing him/her the use of the land for waste application. It is the responsibility of the owner of the facility to secure an update of the Waste Utilization Plan when there is a change in the operation, increase in the number of animals, method of utilization, or available land.

3. Animal waste shall be applied to meet, but not exceed, the nitrogen needs for realistic crop yields based on soil type, available moisture, historical data, climatic conditions, and level of management, unless there are regulations that restrict the rate of application for other nutrients.

4. Animal waste shall be applied to land eroding less than 5 tons per acre per year. Waste may be applied to land that is eroding at 5 or more tons, but less than 10 tons per acre per year providing grass filter strips are installed where runoff leaves the field. (See FOTG standard 393 - Filter Strip).

5. Odors can be reduced by injecting the waste or disking after waste application. Waste should not be applied when there is danger of drift from the irrigation field.

6. When animal waste is to be applied on acres subject to flooding, it will be soil incorporated on conventionally tilled cropland. When applied to conservation tilled crops or grassland, the waste may be broadcast provided the application does not occur during a season prone to flooding. (See "Weather and Climate in North Carolina" for guidance.)

7. Liquid waste shall be applied at rates not to exceed the soil infiltration rate that runoff does not occur offsite or to the surface waters and in a method which does not cause drift from the site during application. No ponding should occur in order to control odor or flies.

8. Animal waste shall not be applied to saturated soils, during rainfall events, or when the surface is frozen.

9. Animal waste shall be applied on actively growing crops in such a manner that the crop is not covered with waste to a depth that would inhibit growth. The potential for salt damage from animal waste should also be considered.

10. Waste nutrients shall not be applied in fall or winter for spring planted crops on soils with a high potentual for leaching. Waste nutrient loading rates on these soils should be held to a minimum and a suitable winter cover crop planted to take up released nutrients. Waste shall not be applied more than 30 days prior to planting of the crop or forages breaking dormancy.

11. Any new swine facility sited on or after October 1, 1995 shall comply with the following: The outer perimeter of the land area onto which waste is applied from a lagoon that is a component of a swine farm shall be at least 50 feet from any residenrial property boundary and from any perennial stream or river (other than an irrigation ditch or canal. Animal waste other than swine waste from facilities sited on or after October 1, 1995), shall not be applied closer than 25 feet to perennial waters. (See Standard 393 - Filter Strips).

REQUIRED SPECIFICATIONS
(continued)

12. Animal waste shall not be applied closer than 100 feet to wells.

13. Animal waste shall not be applied closer than 200 feet of dwellings other than those owned by he landowner.

14. Waste shall be applied in a manner not to reach other property and public right-of-ways.

15. Animal waste shall not be discharged into surface waters, drainageways, or wetlands by discharge or by over-spraying. Animal waste may be applied to prior converted wetlands provided they have been approved as a land application site by a "technical specialist". Animal waste shall not be applied on grassed waterways that discharge directly into water courses, and on other grassed waterways, waste shall be applied at agronomic rates in a manner that causes no runoff or drift from the site.

16. Domestic and industrial waste from washdown facilities, showers, toilets, sinks, etc., shall not be discharged into the animal waste management system.

17. A protective cover of appropriate vegtation will be established on all disturbed areas (lagoon embankments, berms, pipe runs, etc.). Areas shall be fenced as necessary to protect the vegetation. Vegetation such as trees, shrubs, and other woody species, etc., are limited to areas where considered appropriate. Lagoon areas should be kept mowed and accessible. Berms and structures should be inspected regularly for evidences of erosion, leakage or discharge.

18. If animal production at the facility is to be suspended or terminated, the owner is responsible for obtaining and implementing a "closure plan" which will eliminate the possibility of an illigal discharge, pollution and erosion.

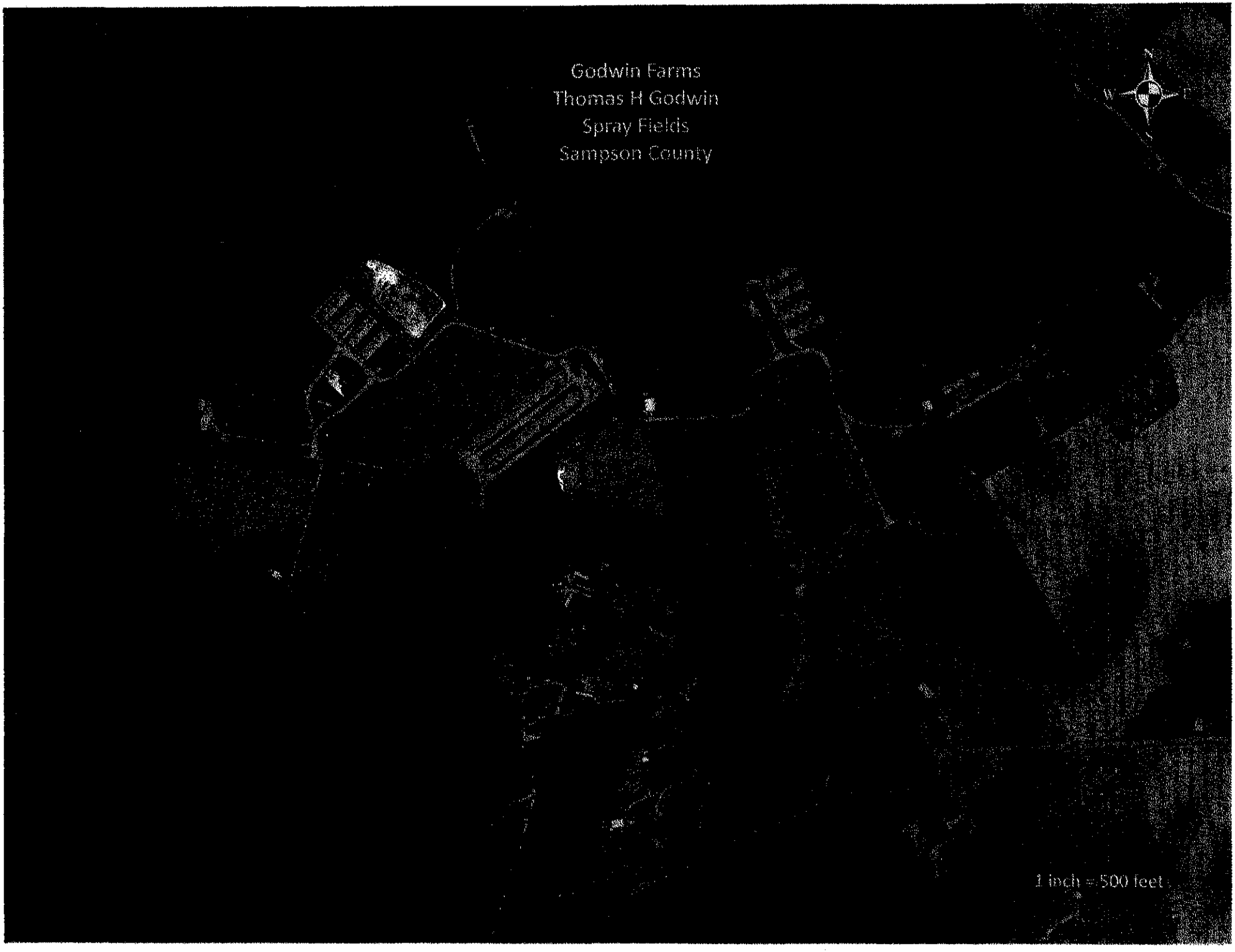
19. Waste handling structures, piping pumps, reels, etc., should be inspected on a regular basis to prevent breakdowns, leaks and spills. A regular maintenance checklist should be kept on site.

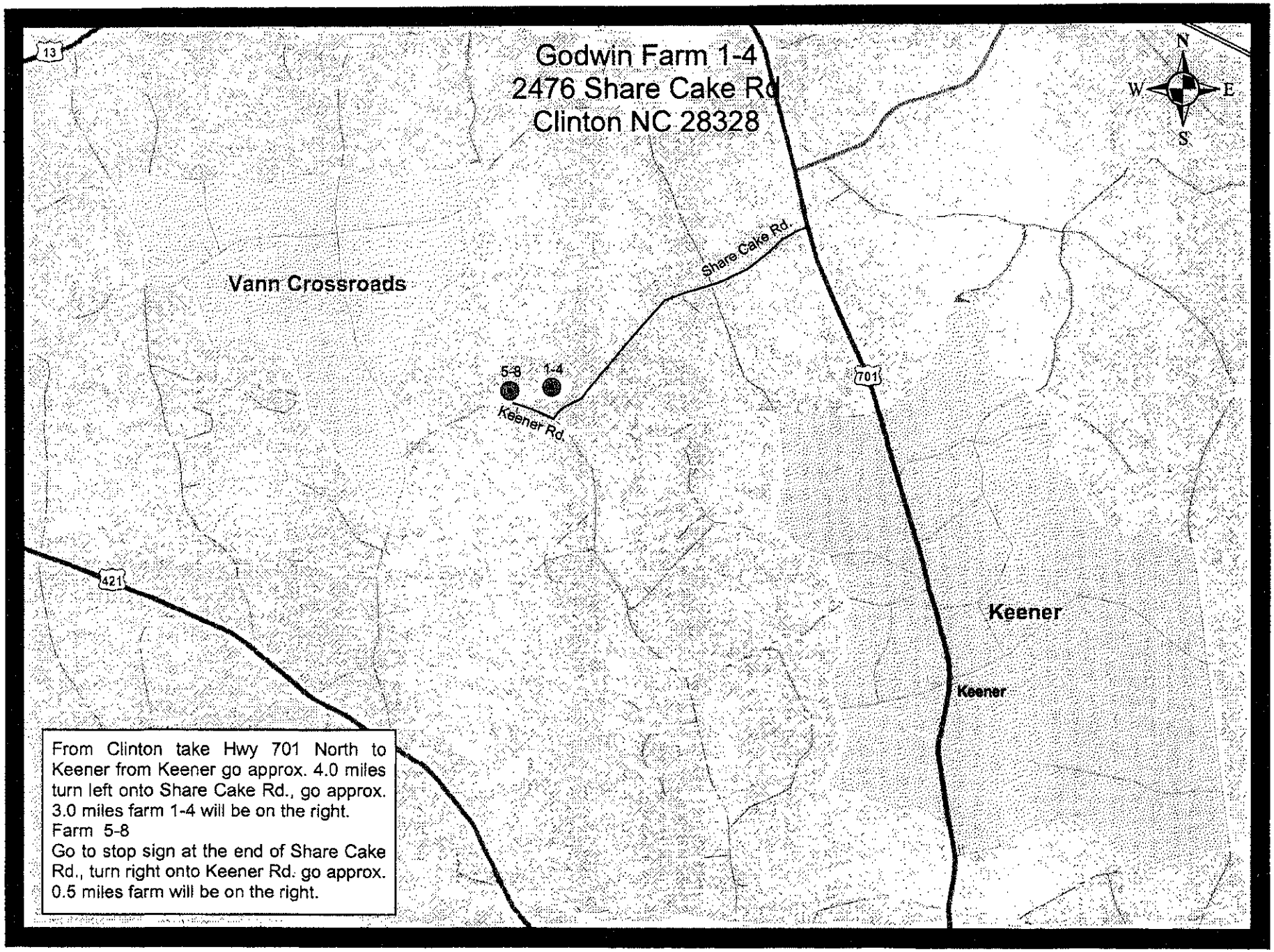
20. Animal waste can be used in a rotation that includes vegetation and other crops for direct human consumption. However, if animal waste is used on crops for direct human consumption it should only be applied pre-plant with no further applications of animal waste during the crop season.

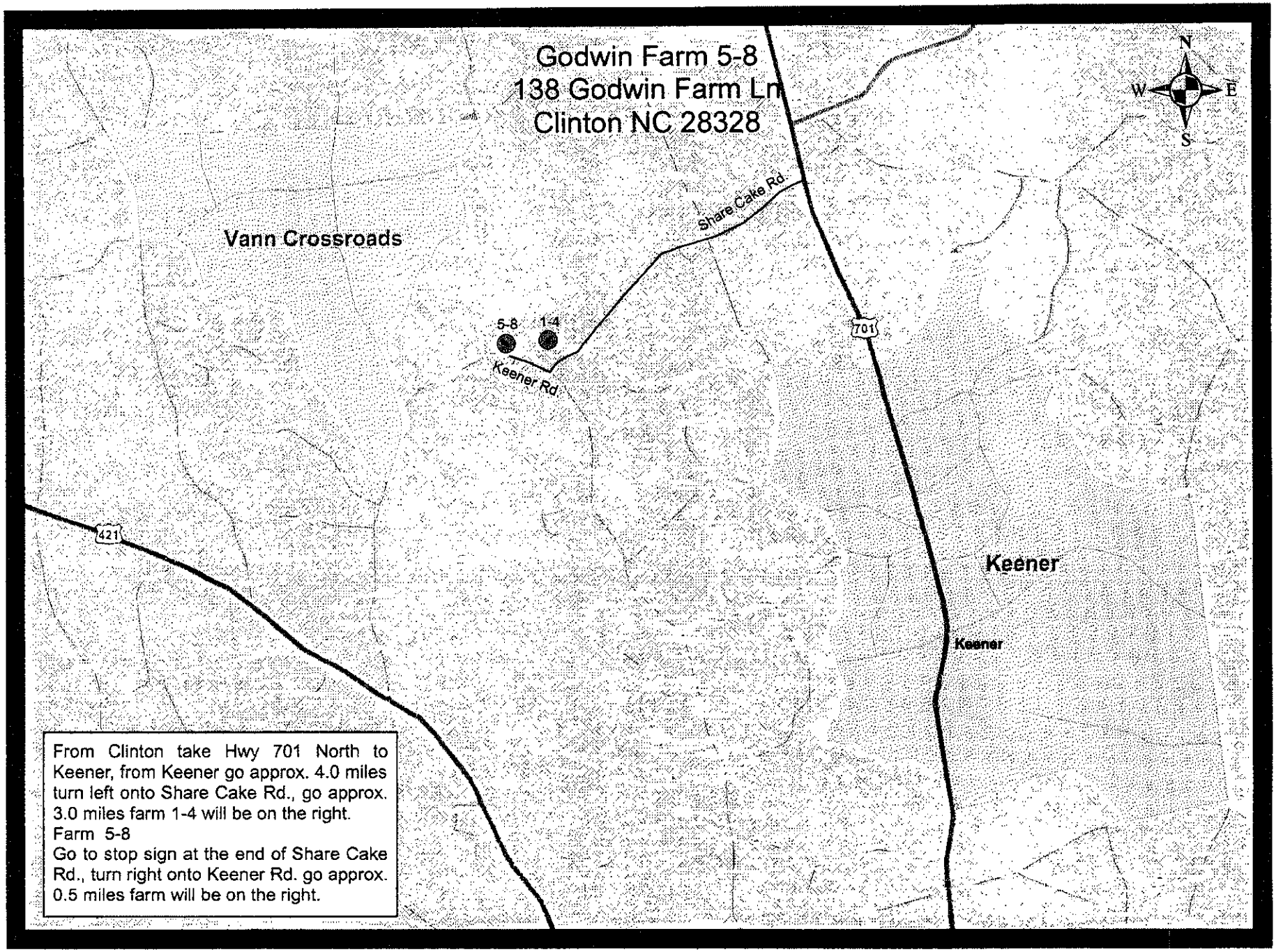
21. Highly visible markers shall be installed to mark the top and the bottom elevations of the temporary storage (pumping volume) of all waste treatment lagoons. Pumping shall be managed to maintain the liquid level between the markers. A marker will be required to mark the maximum storage volume for waste storage ponds.

22. Waste shall be tested within 60 days of utilization and soil shall be tested at least annually at crop sites where waste products are applied. Nitrogen shall be the rate-determining element. Zinc and copper levels in the soil shall be monitored and alternative crop sites shall be used when these metal approach excessive levels. pH shall be adjusted for optimum crop production and maintained. Soil and waste analysis records shall be kept for five (5) years. Poultry dry waste application records shall be maintained for three (3) years. Waste application records for all other waste shall be maintained for five (5) years.

23. Dead animals will be disposed of in a manner that meets North Carolina regulations.


Godwin Farms
Thomas H Godwin
Spray Fields
Sampson County
1 inch = 500 feet


Godwin Farm 1-4
2476 Share Cake Rd
Clinton NC 28328
N
W
E
S
13
Share Cake Rd.
Vann Crossroads
5-8
1-4
Keener Rd.
701
421
Keener
Keener
From Clinton take Hwy 701 North to Keener from Keener go approx. 4.0 miles turn left onto Share Cake Rd., go approx. 3.0 miles farm 1-4 will be on the right.
Farm 5-8
Go to stop sign at the end of Share Cake Rd., turn right onto Keener Rd. go approx. 0.5 miles farm will be on the right.


Godwin Farm 5-8
138 Godwin Farm Ln
Clinton NC 28328
N
W
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From Clinton take Hwy 701 North to Keener, from Keener go approx. 4.0 miles turn left onto Share Cake Rd., go approx. 3.0 miles farm 1-4 will be on the right.
Farm 5-8
Go to stop sign at the end of Share Cake Rd., turn right onto Keener Rd. go approx. 0.5 miles farm will be on the right.